

AMENDMENTS TO THE SPECIFICATION

Replace 2nd paragraph on page 9:

Applicants request that the paragraph beginning at page 9, line 6 and ending at page 9, line 14 of the specification as filed be replaced by replacement paragraph 22, which is provided herein.

Marked up replacement paragraph, page 9:

The present invention is directed to methods for aiding in the diagnosis of various human disorders, such as PDD, Dysautonomia, Parkinson's, SIDS, etc. In one aspect, a method comprises analyzing stool samples of an individual to determine the presence of pathogens including, but not limited to, *Giardia*, *Cryptosporidium*, *Entamoeba histolytica*, *Adenovirus*, *Rotavirus*, *H. pylori*, *Cyclospora*, *Microsporidia*, *Microsporidia*, and/or *Isospora belli*. Preferably, the presence of one or more pathogens is determined using a stool immunoassay to determine the presence of antigens in a stool sample, wherein such antigens are associated with one or more pathogens including, but not limited to, *Giardia*, *Cryptosporidium*, *E. histolytica*, *C. difficile*, *Adenovirus*, *Rotavirus* or *H. pylori*.

Clean replacement paragraph, page 9:

The present invention is directed to methods for aiding in the diagnosis of various human disorders, such as PDD, Dysautonomia, Parkinson's, SIDS, etc. In one aspect, a method comprises analyzing stool samples of an individual to determine the presence of pathogens including, but not limited to, *Giardia*, *Cryptosporidium*, *Entamoeba histolytica*, *Adenovirus*, *Rotavirus*, *H. pylori*, *Cyclospora*, *Microsporidia*, and/or *Isospora belli*. Preferably, the presence of one or more pathogens is determined using a stool immunoassay to determine the presence of antigens in a stool sample, wherein such antigens are associated with one or more pathogens including, but not limited to, *Giardia*, *Cryptosporidium*, *E. histolytica*, *C. difficile*, *Adenovirus*, *Rotavirus* or *H. pylori*.

Replace 2nd paragraph on page 14:

Applicants request that the paragraph beginning at page 14, line 16 and ending at page 15, line 6 of the specification as filed be replaced by replacement paragraph 39, which is provided herein.

Marked up replacement paragraph, page 14:

In summary, a method according to the present invention for aiding in the diagnosis of a disorder comprises analyzing stool samples of an individual to determine the presence of one or more pathogens including, but not limited to, *H. pylori*, *Cryptosporidium*, *Entamoeba histolytica*, *Giardia*, *Rotavirus*, *Camphylobacter*, and/or *C. difficile*. Other pathogens that may be analyzed include, for example, *Adenovirus*, *Cyclospora*, *Microsporidia*, *Microsporidia*, and/or *isospora belli*. In a preferred embodiment, the presence of one or more pathogens is determined by a stool immunoassay to determine the presence of associated antigens. The presence of one or more pathogens comprises a biological marker for determining if an individual, especially a child, may either have or develop a disorder, including, but not limited to, PDD (such as Autism), Dysautonomia (or other dysautonomic conditions), Parkinson's disease, SIDS, or other dysautonomic and/or neurological disorders.

Clean replacement paragraph, page 14:

In summary, a method according to the present invention for aiding in the diagnosis of a disorder comprises analyzing stool samples of an individual to determine the presence of one or more pathogens including, but not limited to, *H. pylori*, *Cryptosporidium*, *Entamoeba histolytica*, *Giardia*, *Rotavirus*, *Camphylobacter*, and/or *C. difficile*. Other pathogens that may be analyzed include, for example, *Adenovirus*, *Cyclospora*, *Microsporidia*, and/or *isospora belli*. In a preferred embodiment, the presence of one or more pathogens is determined by a stool immunoassay to determine the presence of associated antigens. The presence of one or more pathogens comprises a biological marker for determining if an individual, especially a child, may either have or develop a disorder, including, but not limited to, PDD (such as Autism), Dysautonomia (or other dysautonomic conditions), Parkinson's disease, SIDS, or other dysautonomic and/or neurological disorders.